

FIGURE 1

FIGURE 1 CONTINUED

SEQ	ID NO: 50	TLEEDNLLSQYISSHGEGRWNLLAKRSGLK---	RTGKSCRLRWLNYLKPDVKGNNLTQPE
SEQ	ID NO: 54	TPEEDIILVSYIQEHGPGNWRAVPAKTGLS---	RCSKSCLRLWNTNYLRPGIKRGNFTEQE
SEQ	ID NO: 63	TMEEDLILINYIANHGEGVWSLAKAAGLK--	RTGKSCRLRWLNYLRPDVRRGNITPEE
			120

SEQ	ID NO: 10	QLLIELHSRKGWRNSKIAQHLPGRDNE.IKNYWRTTRVQKHAQQLNCDA NLSKRFKDA---
SEQ	ID NO: 14	ERMVVQLHAKLGNRWSRIAKSIPGRDNE.IKNYWRTTRVQKHAQQLNC DANSKRFKDA---
SEQ	ID NO: 26	EKLIVHLQALLGNRWAIAASYLPERTDNDIKNYWNTLKKKKLKKMQA GGGDSGAASEG
SEQ	ID NO: 30	QLIMELHAKWGNRWSKIAKHLPGRTDNE.IKNYWRTTRVQKHAQAE-N- FQQQIISN----
SEQ	ID NO: 32	QLIMELHAKWGNRWSKIAKHLPGRTDNE.IKNYWRTTRVQKHLKQAS-S SFQQQSSN----
SEQ	ID NO: 34	QLLIELHAKWGNRWSKIAKHLPGRTDNE.IKNEWTRTRIQQKHIKQAE-T SQQHGNSS----
SEQ	ID NO: 36	QLIMELHAKWGNRWSKIAKHLPGRTDNE.IKNYWRTTRIQQKHIKQAE-N-F QQQSSN----
SEQ	ID NO: 42	QLLIELHSKKGWRNSKIAQHLPGRDNE.IKNYWRTTRIQQKQARQLNIE GSKRFIDA----
SEQ	ID NO: 44	QLLIELHSRKGWRNSKIAQYLPGRDNE.IKNYWRTTRVQKHAQQLKCD VNSKQFKD----
SEQ	ID NO: 46	QLLIELHSRKGWRNSKIAQYLPGRDNE.IKNYWRTTRVQKHAQQLKCD VNSKQFKD----
SEQ	ID NO: 48	QLLIELHSKKGWRNSKIAQHLPGRDNE.IKNYWRTTRIQQKQARHLKITY DSREFQEL----
SEQ	ID NO: 50	QLLIELHSRKGWRNSKIAQNLPGRTDNE.IKNYWRTTRIQQKQARHLKID DTREFQEL----
SEQ	ID NO: 54	EKMIIHLQDLILGNRWAIAASYLPORTDNDIKNYWNTLRLKKKKMQA GEG-----
SEQ	ID NO: 63	QLIMELHSKKGWRNSKIAKHLPGRTDNE.IKNEWTRTRIQQKHIKQVD-N PNPQQNFFQQK----

SEQ	ID NO: 10	- - - - - MRYLWMPHLADDVDTIAAANDDD-EDHHHNRLLVLLHHHQAQ
SEQ	ID NO: 14	- - - - - HH- - - - - NDNDDDRNSS-SSSSNSNSNLQQPQ-
SEQ	ID NO: 26	GGGRGDDGGGSVKAAAPKGQWERRLQTIDHTARQLRDALS- - - - - LDHPDPSPAT
SEQ	ID NO: 30	- - - - - NSEINDHQAS--TSHVSTMMAEPMETYSPPF
SEQ	ID NO: 32	- - - - - SEIIYHPQAC--TSQVSTMMAQPITEYTSSPS
SEQ	ID NO: 34	- - - - - ENSNNDHQASNS-TSKVSTMMAHPNETESSPS

**FIGURE 1 CONTINUED**

SEQ ID NO: 36  
SEQ ID NO: 42  
SEQ ID NO: 44  
SEQ ID NO: 46  
SEQ ID NO: 48  
SEQ ID NO: 50  
SEQ ID NO: 54  
SEQ ID NO: 63  
  
-----  
NSEINDHQAS---TSHVSTMAEPMEMYSPPC  
XKCFWMMPRLLQK---MEQNSNP---SPHSSM---TNMM  
MRYIWMMPRLIVE---RI-QATAAAASAPQPVTVPVPPR  
MXYLXXXKARG---THSSSGDGRN---HHRNCGRHQQCITHLRXQP  
VRRFWMPRLLQK---AKESSSSNM-SIQNQAIIMPFDYVSQHL  
VRRFWMPRCFKK---PKNH---LJOPCOEFKTRQL  
-GSFGEGBFSASRQI---PRGQWERRLQTDIOMAKRALSEALSPEKKPSCLSA  
NSNSNPSD  
MS-----LEINDHHHHHPHQPS-SSQVSNLVEPMETYSPTS  
240  
181

SEQ ID NO: 10  
SEQ ID NO: 14  
SEQ ID NO: 26  
SEQ ID NO: 30  
SEQ ID NO: 32  
SEQ ID NO: 34  
SEQ ID NO: 36  
SEQ ID NO: 42  
SEQ ID NO: 44  
SEQ ID NO: 46  
SEQ ID NO: 48  
SEQ ID NO: 50  
SEQ ID NO: 54  
SEQ ID NO: 63  
  
-----  
HLQQAAAAGGAANDLAAGAYDVROL---HALPSSGMAATSSSDLASESYDDGGILLFAN  
-PEDE----SSASGSLOAQHEDQHQLFLH-PLWNDDIIIVDVDCWSSSSTNVVA  
AAAAATPAGSSAF---YASSADNIARLLQGMWR--PGGGGGNGKGPEA---SGSTST  
YQGML---EPFSS---  
YQGML---DPFS---  
YQATE---EPFQP---  
YQGML---EPFST---  
NLGNSG---EASMSMSSSSFNINPSMSSSSSPKGNLWM---MP---NHF-  
-----TMHTPTEAT  
YTTKFEVLNHKGRMGLTDPSVANNDFVGSHVTQRYPTPENSSTGASSSDSEGTVS  
TGVGTIPWQGPCKMNEAGPTYMDQHEQTQTRNTNNGSCISLSESANIPKVP---QHFG  
L---CLLMV---FLS---IQL---  
SSSSFSSTKPTTTQSVCYASSADNIARMLKGWMKNPKSSRTNSSMTQNSFNNLAGADTA  
YQGTL---EPF-P---  
241  
300

## FIGURE 1 CONTINUED

SEQ	ID NO: 10	LRAGEMLMDGGDWAAQQEADQGL	-----WPPPPPPSDDLQVQAAGAGAGQQQ-----D
SEQ	ID NO: 14	PP-----	PAS-----T
SEQ	ID NO: 26	TATTQQQPQCSEGAAASA-----	PECS-----T
SEQ	ID NO: 30	SASASQSAAAAATAQT-----	IQFP-----T
SEQ	ID NO: 32	-----	IQFP-----T
SEQ	ID NO: 34	-----	QFL-----Q
SEQ	ID NO: 36	-----	QFP-----T
SEQ	ID NO: 42	-----	-----
SEQ	ID NO: 44	-----	-----
SEQ	ID NO: 46	-----	-----
SEQ	ID NO: 48	-----	-----
SEQ	ID NO: 50	-----	-----
SEQ	ID NO: 54	-----	-----
SEQ	ID NO: 63	-----	-----

**FIGURE 1 CONTINUED**

SEQ ID NO: 10  
SEQ ID NO: 14  
SEQ ID NO: 26  
SEQ ID NO: 30  
SEQ ID NO: 32  
SEQ ID NO: 34  
SEQ ID NO: 36  
SEQ ID NO: 42  
SEQ ID NO: 44  
SEQ ID NO: 46  
SEQ ID NO: 48  
SEQ ID NO: 50  
SEQ ID NO: 54  
SEQ ID NO: 63

\*  
MEILSGWV-----QGFSESEITDNNEWALEEIWKMO.  
---PLWDID-----DAFFCSDYSLPLWG.  
---TETSK---MATGGGAGGPAPAFSMSLIESWLDDGGMGLMDVPLGDGPSEFF  
INPDQ-----SSCCTNDNNNSINYWSMEDIIWSMQLLN---GD.-----  
-NPHH-----SSCCTNDDDNN-NYWSMEDIIWSMQL-A---NY.-----  
SMINQ-----VVVPATT-----TIGASRISGRLC---NYSMEIN  
INPDQ-----SSCCTNDNNN-INYWSMEDDSWSMQLLN---G---D  
---  
---KWG-----FWDVESMLFLEQQQL---MNDNM-  
-PNTPWNMQSGDSSDN---NNDFACNMWNMDELMQFSKLQ---K  
MVGSNNWV-----RDLV.-----  
VLQDE---SKPDINIAAEIMPFSLIEKWLDEAGCQEKLVGCCGDAK-FF  
INNDH-----HQNSNCCANDNNNN-NYWSMEDIIWSMQLLN---G---D  
361  
410